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मानक

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Mazdoor Kisan Shakti Sangathan

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“पुराने को छोड़ नये के तरफ”

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IS 11139 (1984): Adjusters for Control Cables for Mopeds
[TED 2: Automotive Primemovers]



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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR ADJUSTERS FOR CONTROL CABLES FOR MOPEDS

1. Scope — Covers the shape, dimensions and other requirements for adjusters for control cables for mopeds. The cable assembly is covered separately.

2. Definition — Adjusters are also referred to as 'adjusting screws' and are normally used in cable drive assemblies to increase or decrease the movement or 'play' of the drive assembly, which provides the actuating controls the correct displacement for satisfactory driving. They include abutments, ferrules, nut and sleeve.

3. Shape and Dimensions — Typical assemblies of control cable drive with adjusters for brake, throttling and starting are shown in Fig. 1 to 3. The recommended shape and dimensions of the adjusters are indicated in Fig. 4 to 8.

4. Materials — The recommended materials are given below:

Front abutment IS : 733-1983 'Specification for wrought aluminium and aluminium alloys, bars, rods and sections (for general engineering purposes) (third revision)'

Rear abutment IS : 226-1975 'Specification for structural steel (standard quality) (fifth revision)'

or

IS : 1570 (Part 1)-1978 'Schedules for wrought steels for general engineering purposes : Part 1 Steel specified by tensile and/or yield properties (first revision)'

Ferrule IS : 4170-1967 'Specification for brass rods for general engineering purposes'

or

IS : 2258-1981 'Specification for rolled zinc plate, sheet and strip (second revision)'

or

IS : 742-1981 'Specification for zinc base alloy die castings (second revision)'

Nut IS : 226-1975 'Specification for structural steel (standard quality) (fifth revision)'

Sleeve IS : 226-1975 'Specification for structural steel (standard quality) (fifth revision)'

or

IS : 4432-1967 'Specification for case hardening steels'

4.1 Any other material as agreed to between the purchaser and the supplier may also be used.

5. General Requirements — Straight knurling wherever used shall conform to IS : 3403-1981 'Dimensions for knurls (first revision)'. The threads shall conform to IS : 4218 (Part 2)-1976 'ISO metric screws threads : Part 2 Diameter pitch combinations'. Unless stated, the tolerances shall be in accordance with IS : 2102 (Part 1)-1980 'General tolerances for dimensions and form and position : Part 1 General tolerances for linear and angular dimensions (second revision)'.

6. Finish — Steel components shall be zinc plated and passivated. The plating shall conform to IS : 1573-1970 'Specification for electroplated coatings of zinc on iron and steel (first revision)'. Brass ferrules shall also be zinc plated. The thickness of plating shall be as per agreement between the purchaser and the supplier. Hydrogen de-embrittlement shall be ensured after zinc plating.

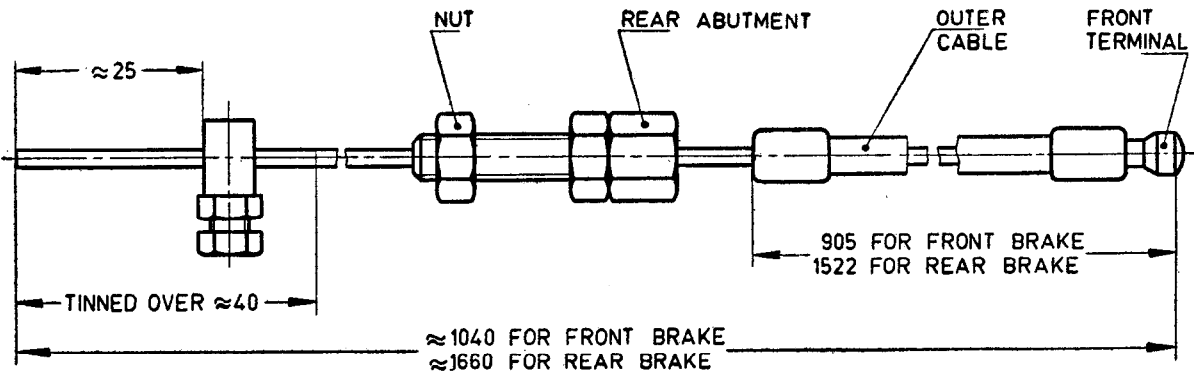
7. Tests — Each component shall be visually examined for any manufacturing defects. Any other test as agreed to between the supplier and the purchaser shall be carried out.

Adopted 9 November 1984

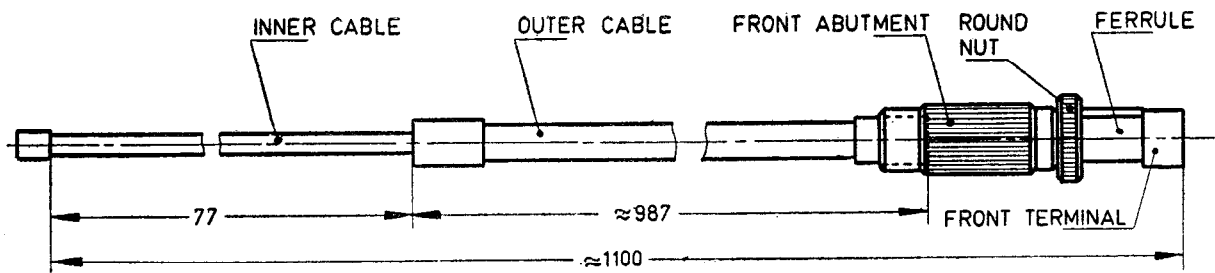
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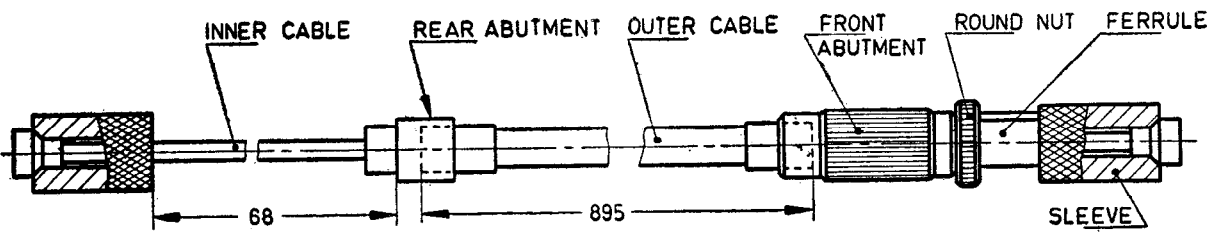
8. **Packing** — The adjusters shall be packed as per the best prevalent trade practice.
9. **Marking** — Manufacturer's name or trade-mark may be embossed or punched on components.
- 9.1 *ISI Certification Marking* — Details available with the Indian Standards Institution.
10. **Sampling** — Unless otherwise agreed to between the purchaser and the supplier the inspection sampling shall be in accordance with IS : 2500 (Part 1)-1973 'Sampling inspection tables: Part 1 Inspection by attributes and by count of defects (*first revision*)'.



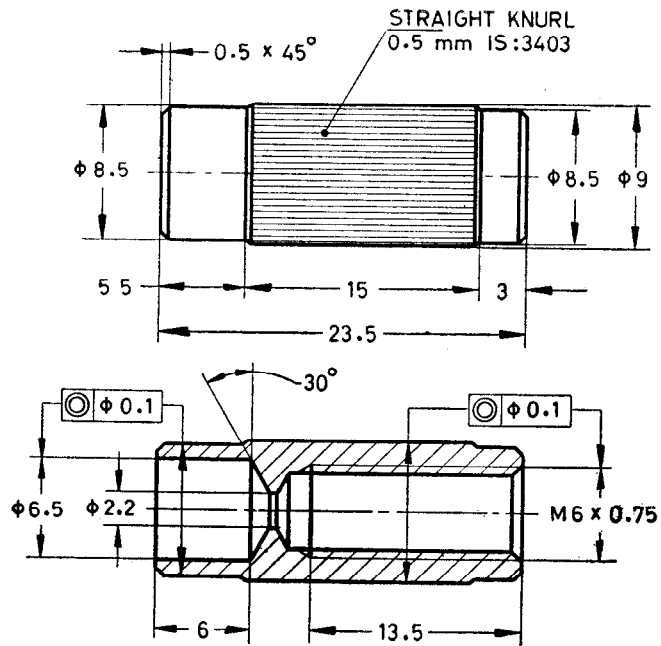
All dimensions in millimetres.
FIG. 1 BRAKE CABLE ASSEMBLY



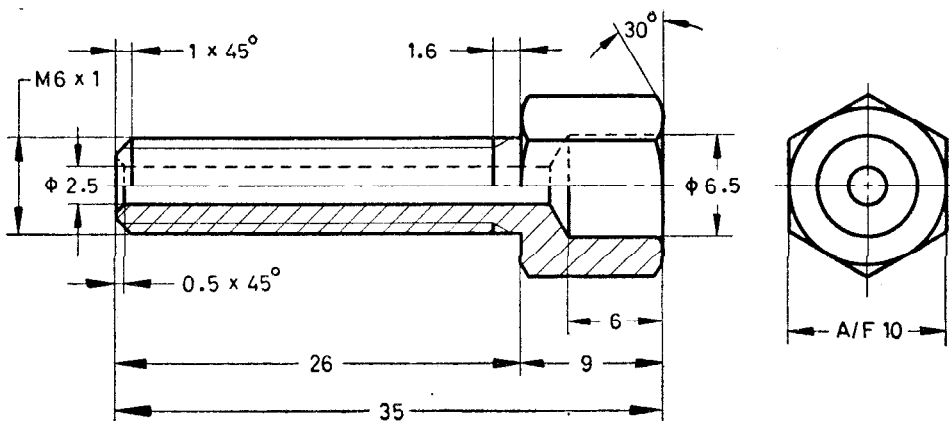
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FIG. 2 THROTTLE CABLE ASSEMBLY



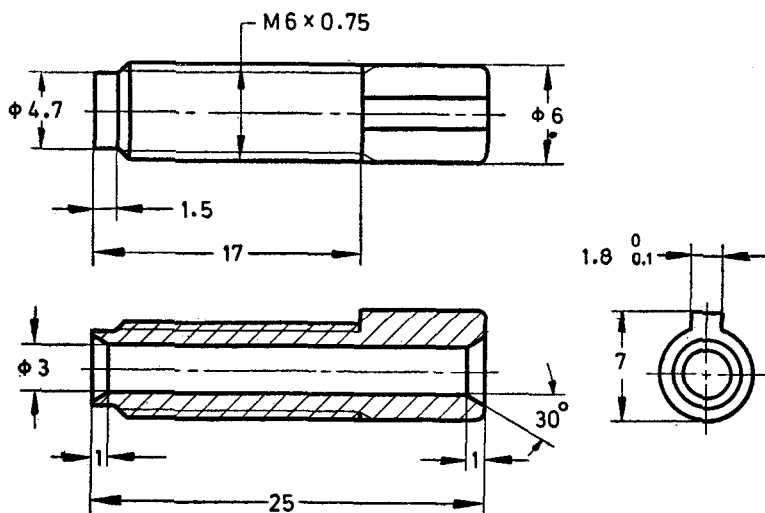
All dimensions in millimetres.
FIG. 3 STARTING CABLE ASSEMBLY



All dimensions in millimetres.
FIG. 4 FRONT ABUTMENT

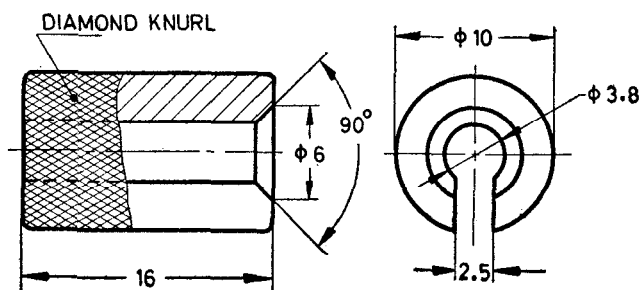


All dimensions in millimetres.
FIG. 5 REAR ABUTMENT



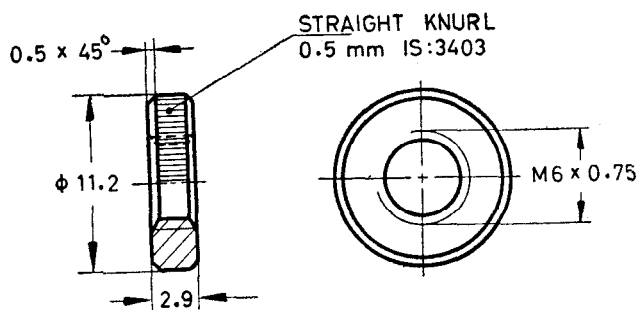
All dimensions in millimetres.

FIG. 6 FERRULE



All dimensions in millimetres.

FIG. 7 SLEEVE



All dimensions in millimetres.

FIG. 8 ROUND NUT

EXPLANATORY NOTE

This Indian Standard is one of the series of Indian Standards published for mopeds. This Indian Standard also forms an important adjunct to IS : 10791-1983 'Control cable assembly for mopeds'. In this specification only typical control cable assembly with adjusters have been shown. It does not preclude use of other types of control cables/adjusters for mopeds.